

IN THE CLAIMS:

Cancel all claims, and add the following claims:

39. (New) A system comprising:

a broadband interface unit adapted to couple to a fixed antenna or a satellite dish, for interacting via a broadband wireless channel employing a first transmission and reception scheme and protocol with a site that is remote from a building that houses said fixed antenna or a satellite dish;

a local area interface unit for interacting with a wireless local area network within said building in accord with a second transmission and reception schema and protocol, where said first transmission and reception schema and protocol is different from said second transmission and reception schema and protocol; and

a modulator/demodulator interposed between said broadband interface unit and said local area interface unit for converting from said first transmission and reception schema and protocol to said second transmission and reception schema and protocol, and vice versa.

40. (New) The system of claim 39 further comprising a user device capable of communicating with said site via a first path that includes said local area network and said local area interface unit, by employing said second transmission and reception schema and protocol, and also capable of communicating with said site via a second path that includes other than said local area network and said local area interface unit.

41. (New) The system of claim 40 where said second path is a wireless path to said site that bypasses said local area network and said local area interface unit.

42. (New) The system of claim 40 where said user device operates pursuant to said second transmission and reception schema and protocol when it employs the first path, and operates pursuant to said first transmission and reception schema and protocol when it employs the second path.

- 43. (New)** A system comprising:
an integrator including
- a broadband interface unit coupled to a fixed wireless broadband access means, for interacting by employing a first protocol with a site that is remote from a building that houses said fixed wireless broadband access means,
 - a local area interface unit for interacting with a wireless local area network within said building by employing a second protocol that is different from the first protocol, and
 - a modulator/demodulator interposed between said broadband interface unit and said local area interface unit for converting information received by said local area interface unit by employing said second protocol to enable said broadband interface unit to transmit said information to said site by employing said second protocol, and vice versa; and
- a user device adapted to communicate with said site via a first path or a second path, where the first path comprises said integrator, and said second path bypasses said integrator.
- 44. (New)** The system according to claim **43**, further comprising a cable modem connected to a cable that includes a wireless local area radio unit that is adapted to operate in accord with said second protocol.
- 45. (New)** The system of claim **44** where said second path either couples said user device directly to said site, employing said first protocol, or couples said user device to said site via said cable modem, employing said second protocol.
- 46. (New)** The system of claim **44** where said user device system operates pursuant to said second transmission and reception schema and protocol when it employs the first path, and operates pursuant to said first transmission and reception schema and protocol when it employs the second path.
- 47. (New)** The system according to claim **43** where said user device includes

means for determining whether said user device ought to be set to communicate with said site via said first path or said second path based on transmission quality at said user device attainable over said first and second paths.

48. (New) The system according to claim **47**, where said transmission quality is determined based on signal strength, or signal interference level, or both.

49. (New) The system according to claim **47**, where said user device periodically makes said determination.

50. (New) The system according to claim **49**, where said user device makes said determination in response to a signal from said integrator.

51. (New) The system according to claim **49**, where said device provides to said integrator results of said determination.

52. (New) The system according to claim **51**, where said user device provides to said integrator results of said determination in response to an interrogation signal issued by said integrator.

53. (New) The system according to claim **49** where said integrator participates in decision whether said user device communicates via said first path or said second path.

54. (New) The system according to claim **47**, where said user device makes said determination or in response to a signal applied to said user device.

55. (New) The system according to claim **51** where said user device provides to said integrator results of said determination each time said user device performs said determination.

56. (New) The system according to claim **43** where said fixed wireless broadband

access means is a fixed antenna or a satellite dish mounted in a home or business.

57. (New) The system according to claim **49** where said user device decides whether said user device communicates to said wireless broadband channel via the integrator.

58. (New) A method of integrating fixed wireless broadband access associated with a building and a local area network, comprising the steps of:

receiving a fixed wireless broadband signal from a source outside the building, which signal is characterized by a first communication protocol;

demodulating the fixed wireless broadband signal, processing the demodulated signal to obtain a user signal, and re-modulating the user signal to form a converted signal that follows a second communication protocol that is different from the first communication protocol; and

transmitting the user signal to an electronic device via the local area network within said building when said electronic device is conditioned to receive signals via said local area network in accord with said second protocol, and refrains from transmitting said user signal to said electronic device when said electronic device is conditioned to receive signals via other than said local area network, even when said electronic device is found within said local area network.

59. (New) The method according to claim **58**, further comprising a step of determining whether to condition said electronic device to receive signals via said local area network, or via said other than said local area network.

60. (New) The method according to claim **59**, wherein said electronic device, when conditioned to receive signals via other than said local area network, is conditioned to receive signals from said source directly.

61. (New) The method according to claim **58**, wherein the step of receiving is performed on signals received by an antenna, or a satellite dish.

62. (New) The method according to claim 58, wherein said local area network is wireless.

63. (New) A method executed in a mobile user device comprising the steps of:
first determining a signal strength and a channel interference level for said user device communicating with a source over a first channel that includes a local area network within a building and a broadband wireless channel that couples said local area network to said source via a fixed broadband wireless access means;
second determining a signal strength and a channel interference level for communicating with said source over a second channel that is distinct from said first channel, where said user device employs a first protocol when communicating via said first channel and employs a second protocol that is different from said first protocol when communicating via said second channel;
making a determination, based on said first determining and said second determining, as to whether the second channel is a higher quality communication channel than the first channel; and
causing said user device to communicate over said second channel when said determination is in the affirmative, and to communicate over said first channel when said determination is in the negative.

64. (New) The method according to claim 63, further comprising the step of:
interrogating said user device to pass information relating to the at least some of said steps of determining.